

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-18 (Canceled)

19. (New) An implant for use inside a human body, comprising a biocompatible self-supporting base material having surfaces exposed to aggressive body cells, when the implant is implanted in the human body, and a cell barrier coating coated on said surfaces to prevent body cells from breaking down said base material.

20. (New) An implant according to claim 19, wherein said barrier coating comprises a poly-para-xylylene polymer or a biocompatible metal coating.

21. (New) An implant according to claim 19, further comprising a property improving means for improving at least one physical property of the implant other than self-supporting and cell barrier properties.

22. (New) An implant according to claim 21, wherein said property improving means comprises a core of a viscoelastic material covered with said self-supporting base material.

23. (New) An implant according to claim 22, wherein said base material

comprises silicone.

24. (New) An implant according to claim 22, wherein said viscoelastic material comprises silicone gel, cellulose gel or collagen gel.

25. (New) An implant according to claim 21, wherein said base material forms an inflatable tubing.

26. (New) An implant according to claim 25, wherein said tubing has an inner surface defining the interior of said tubing, and said coating covers said inner surface.

27. (New) An implant according to claim 25, wherein said coating comprises a poly-para-xylylene polymer or a biocompatible metal coating.

28. (New) An implant according to claim 25, wherein said base material comprises silicone.

29. (New) An implant according to claim 25, wherein said base material forms two coaxial tubular layers and said property improving means comprises a tubular intermediate layer of a viscoelastic material located between said coaxial tubular layers.

30. (New) An implant according to claim 29, wherein said viscoelastic

material comprises silicone gel, cellulose gel or collagen gel.

31. (New) An implant according to claim 25, wherein said base material forms an outer tubular layer, an inner arcuate layer attached to said outer tubular layer, said outer and inner layers defining a curved space extending longitudinally along said tubing, and said property improving means comprises viscoelastic material filling said space.

32. (New) An implant according to claim 31, wherein said viscoelastic material comprises silicone gel, cellulose gel or collagen gel.

33. (New) An implant according to claim 21, wherein said base material forms a first layer and said property improving means comprises a second layer applied on said first layer, said second layer being more fatigue resistant than said first layer.

34. (New) An implant according to claim 33, wherein said second layer comprises a polyurethane layer.

35. (New) An implant according to claim 33, wherein said coating comprises a poly-para-xylylene polymer or a biocompatible metal coating.

36. (New) An implant according to claim 33, wherein said base material comprises silicone.

37. (New) An implant according to claim 33, wherein said first layer of said base material forms an inflatable tubing, and said second layer covers said base material within said tubing.

38. (New) An implant according to claim 21, wherein said property improving means comprises gas contained in a multiplicity of cavities formed in said base material to improve the flexibility of said base material.

39. (New) An implant according to claim 38, wherein said cavities are defined by net structures of said base material.

40. (New) An implant according to claim 38, wherein said base material comprises poly-tetrafluoroethylene ("PTFE").

41. (New) An implant according to claim 38, wherein said base material forms an inflatable tubing.

42. (New) An implant according to claim 19, wherein said base material comprises silicone.